

ISHEM 2005 Schedule

Monday, November 7, 2005

4 pm	Keynote Address	Scott Altman (Captain, USN) Deputy Director, Requirements Division, ESMD, NASA HQ
5 pm	Reception	

Tuesday, November 8, 2005

8 am	Keynote Address	Andy Hess, Prognostics & Health Management Lead, Joint Strike Fighter Program Office
8:40 am	Introduction to ISHEM	Stephen Johnson, Univ. of Colorado / NASA MSFC
9 am	Review of the State of the Art	Serdar Uckun, NASA ARC
9:20 am	The System Life Cycle & ISHEM	Charles Mott, Univ. of N. Dakota
9:40 am	Tech. Readiness Assessment	Ryan Mackey, NASA JPL
10 am	Question and Answer / Break	
10:30 am	Knowledge Management	Edward Rogers, NASA GSFC
10:50 am	Economics of System Integration	Andrea Prencipe, University G. d'Annunzio
11:10 am	High Reliability Organizations	Andrew Koehler, LANL
11:30 am	Failure Statistics	Jon Binkley, Aerospace Corp.
11:50 am	Question and Answer / Lunch	
1:20 pm	Human Factors	Robert McCann, NASA ARC
1:40 pm	Mission Operations	Brian O'Hagan, NASA JSC
2:00 pm	Launch Operations	Bob Waterman, NASA KSC
2:20 pm	Commercial Aviation	Phil Scandura, Honeywell
2:40 pm	Question and Answer / Break	
3:10 pm	Robotic Spacecraft	Paula Morgan NASA JPL
3:30 pm	Launch Vehicles	Ed Brown, Boeing
3:50 pm	Missiles	Gregory Ruderman, AFRL Edwards AFB
4:10 pm	Military Aviation	Andy Hess, JSFPO
4:30 pm	Question and Answer / Announcements	
6-9:45pm	Dinner, Artesa Winery	

Wednesday, November 9, 2005

8 am	Rotorcraft	Paula Dempsey, NASA GRC
8:20 am	Arms & Munitions	Abdul Kudiya, US Army AMDREC
8:40 am	Quality Assurance	Brian Hughitt, NASA HQ
9 am	Failure Assessment	Robyn Lutz, NASA JPL
9:20 am	Question and Answer / Break	
10 am	Probabilistic Risk Assessment	Bill Vesely, NASA HQ
10:20 am	Maintainability Theory & Mgmt	Gary O'Neill, LandMARC/GTRI
10:40 am	Design Methods	Irem Tumer, NASA ARC
11:00 am	Data Analysis & Mining	Karl Reichard, Penn. State
11:20 am	Question and Answer / Lunch	
1 pm	Diagnostics	Ann Patterson-Hine, NASA ARC
1:20 pm	Prognostics	Mike Roemer, Impact Technology
1:40 pm	Physics of Failure	Kumar Jata, AFRL Wright-Patterson AFB
2:00 pm	Question and Answer / Break	
2:30 pm	Safety & Hazard Analysis	Nancy Leveson, MIT
2:50 pm	Fault Tolerant Arch.	Dan Siewiorek, CMU
3:10 pm	Verif. & Validation	Larry Markosian, NASA ARC
3:30 pm	Question and Answer / Announcements	
4:00 pm	Book Publication Panel Discussion	
4:30-7pm	Poster Discussions, Reception	

Thursday, November 10, 2005

8 am	Aircraft Propulsion	Al Volponi, Pratt & Whitney
8:20 am	Spacecraft Propulsion	Anthony Kelley, NASA MSFC
8:40 am	Sensors	Gary Hunter, NASA GRC
9 am	Structures, Thermal, & Mechanical	Fu-Kuo Chang, Stanford
9:20 am	Question and Answer / Break	
10 am	Electrical Power	Rob Button, NASA GRC
10:20 am	Avionics	Mike Watson, NASA MSFC
10:40 am	Life Support	Dave Kortenkamp, NASA JSC/ Metrica
11 am	Question and Answer	
11:30 am	Adjourn	